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FIG. 2(a)

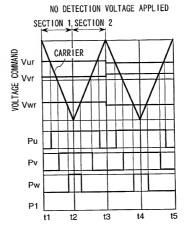


FIG. 2(b)

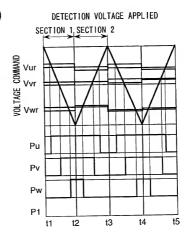


FIG. 3

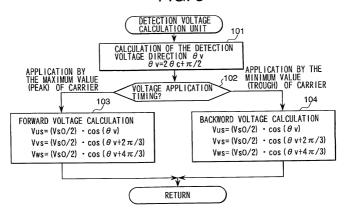


FIG. 4

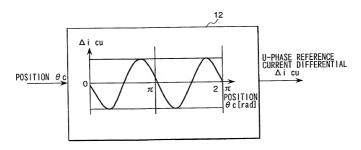


FIG. 5

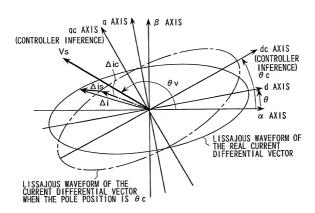
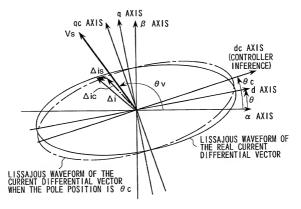


FIG. 6



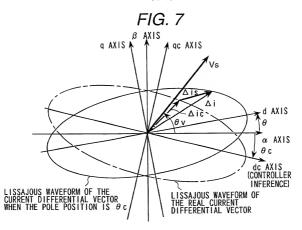


FIG. 9

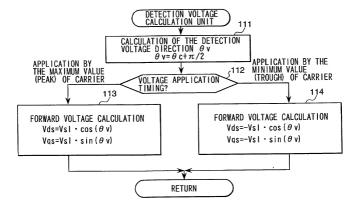


FIG. 8

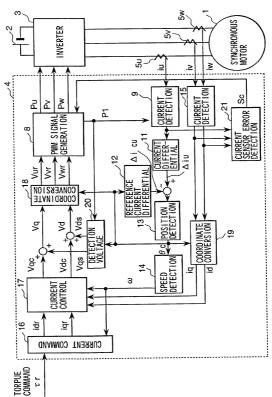


FIG. 10

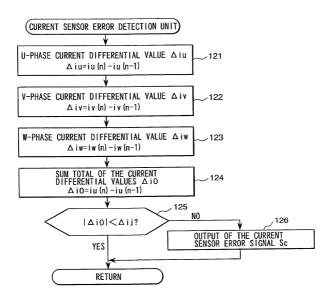


FIG. 11

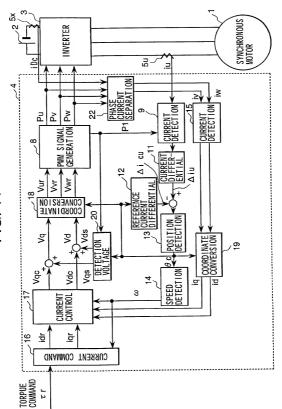
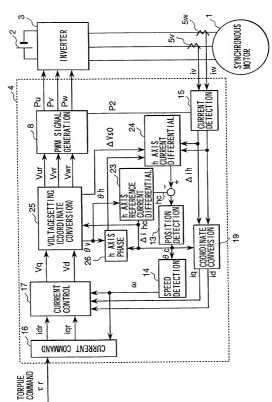
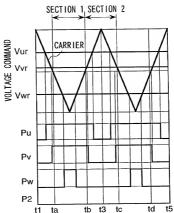


FIG. 12

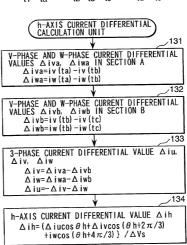






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FIG. 16



RETURN

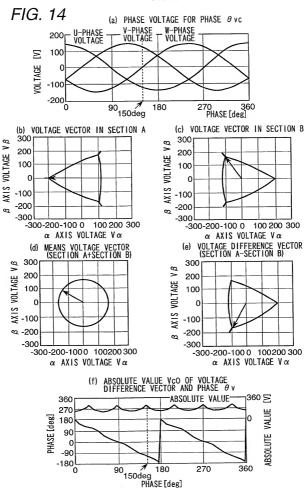
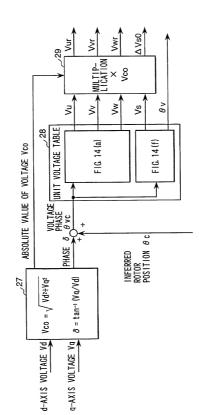


FIG. 15



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FIG. 17

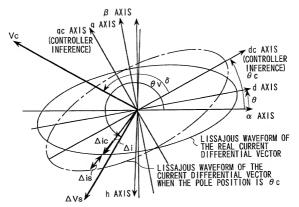
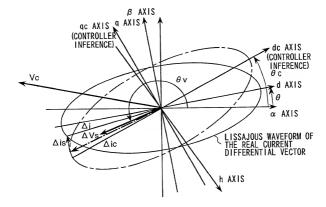
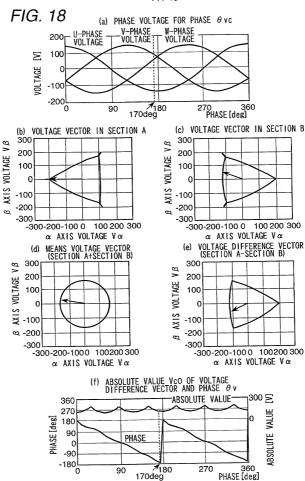


FIG. 19





170deg

က SYNCHRONOUS) MOTOR INVERTER 5 P1/P2 CURRENT DETECTION P ₹ ĕ → PWM SIGNAL GENERATION F h AXIS CURRENT DIFFERENTIAL ω D Vs0 Ð 23 h AXIS REFERENCE CURRENT DIFFERENTIAL Δih η VOLTAGESETTING (COORDINATE CONVERSION) POSITION DETECTION ._ \[\sigma CONVERSION $\theta \vee \phi$ h AXIS PHASE 5 MODE DECISION SPEED DETECTION 5 8 ō 3 CURRENT ₽ 9 호 CURRENT COMMAND TORPUE COMMAND 12

FIG. 20

FIG. 21

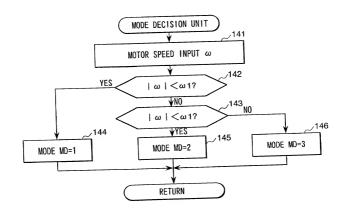
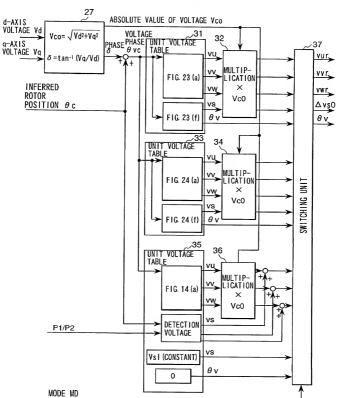
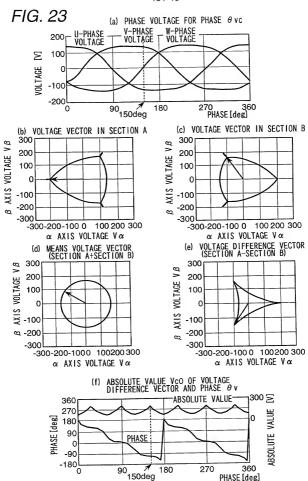
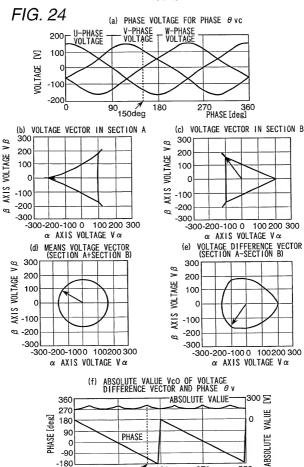


FIG. 22







90 150deg

180

270

360 PHASE [deg]

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